

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069810.D
 Acq On : 7 Dec 2021 13:17
 Operator : JC/MD
 Sample : M4956-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-20211203

Quant Time: Dec 08 04:34:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

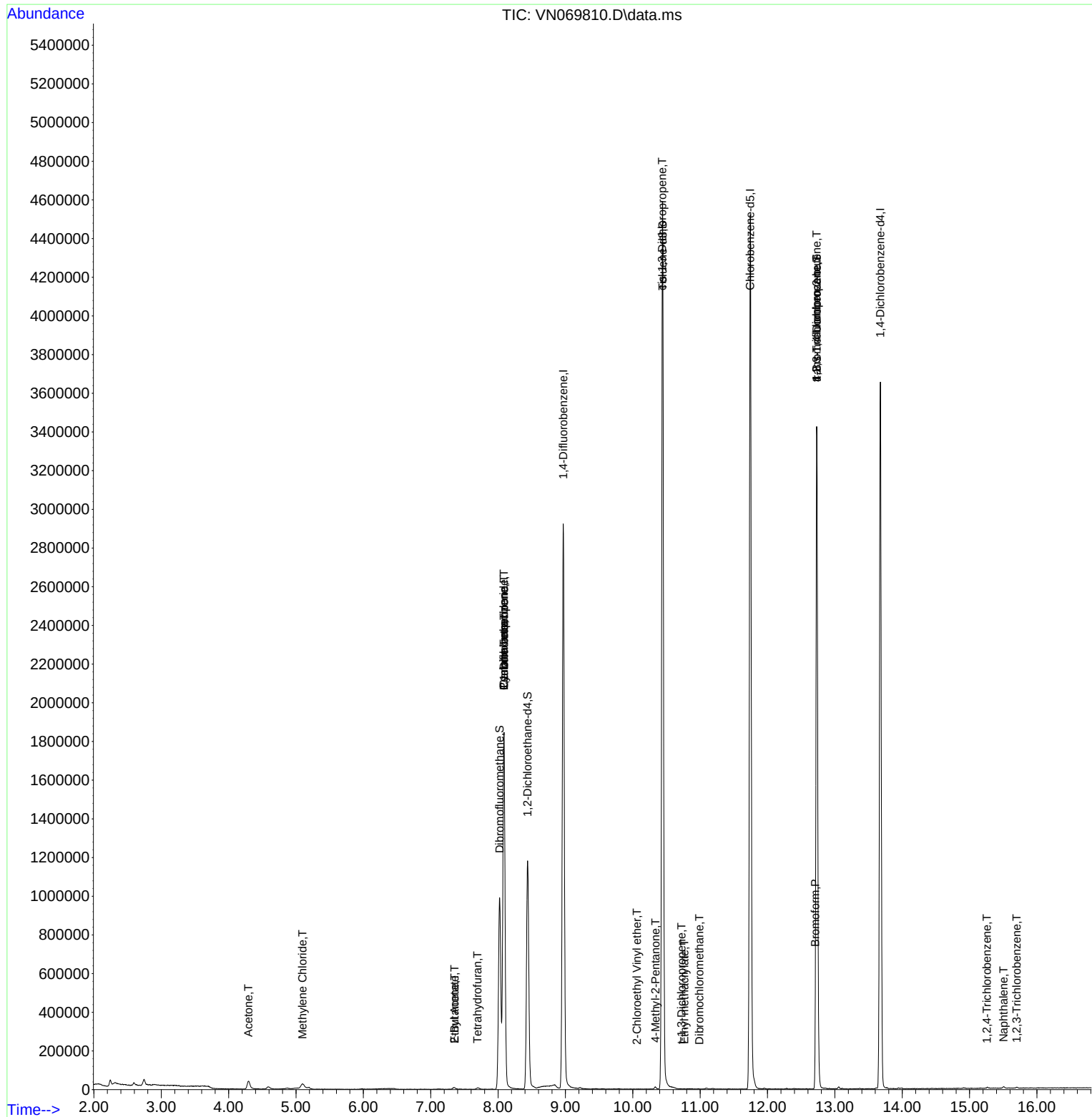
Internal Standards						
1) Pentafluorobenzene	8.086	168	1377076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2459005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2585583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	974246	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1056360	49.68	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.36%		
35) Dibromofluoromethane	8.021	113	722458	46.90	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.80%		
50) Toluene-d8	10.443	98	3138123	50.74	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.48%		
62) 4-Bromofluorobenzene	12.731	95	1194168	53.30	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	106.60%		
Target Compounds					Qvalue	
16) Acetone	4.293	43	83046	6.49	ug/l	92
20) Methylene Chloride	5.095	84	14670	0.86	ug/l	91
25) 2-Butanone	7.353	43	16463	0.95	ug/l	91
29) Tetrahydrofuran	7.694	42	6882	0.65	ug/l #	41
31) Cyclohexane	8.086	56	35986	1.22	ug/l #	28
36) 1,1-Dichloropropene	8.086	75	118323	5.05	ug/l #	49
37) Ethyl Acetate	7.353	43	16463	0.47	ug/l #	68
38) Carbon Tetrachloride	8.088	117	142785	6.22	ug/l #	16
51) 4-Methyl-2-Pentanone	10.336	43	8831	0.26	ug/l	89
53) t-1,3-Dichloropropene	10.725	75	53	2.80	ug/l #	43
54) cis-1,3-Dichloropropene	10.438	75	491	2.01	ug/l #	1
56) Ethyl methacrylate	10.765	69	131	2.28	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.062	63	146	18.40	ug/l #	45
60) Dibromochloromethane	10.987	129	52	2.38	ug/l #	11
71) Bromoform	12.709	173	385	2.75	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	667459	23.89	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	667459	75.90	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.254	180	1803	2.98	ug/l	87
95) Naphthalene	15.504	128	7159	4.12	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.700	180	1237	2.51	ug/l #	53

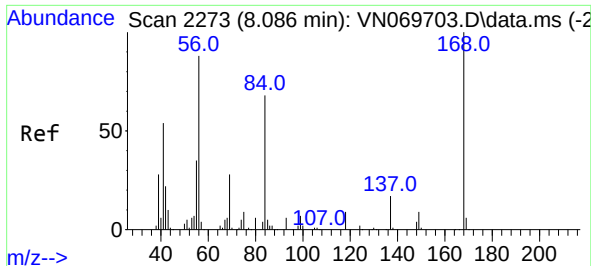
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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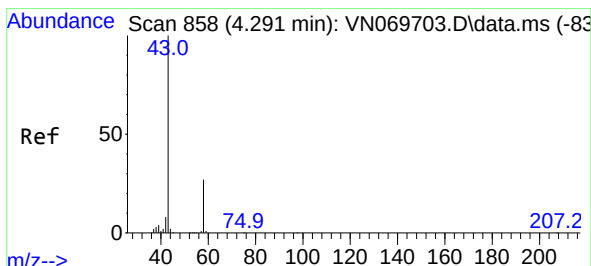
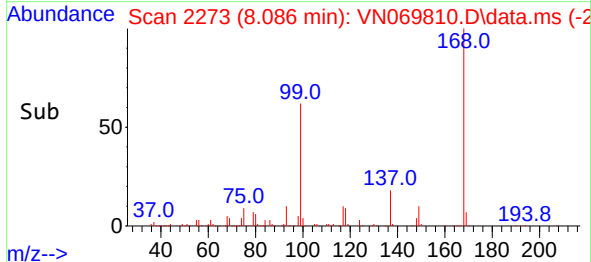
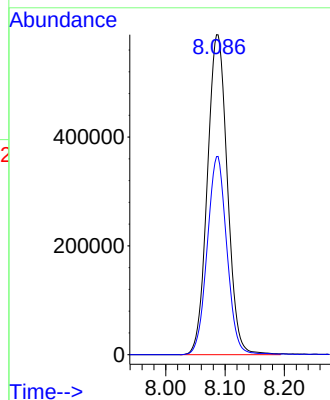
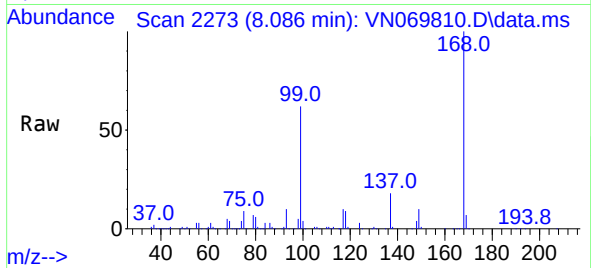




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

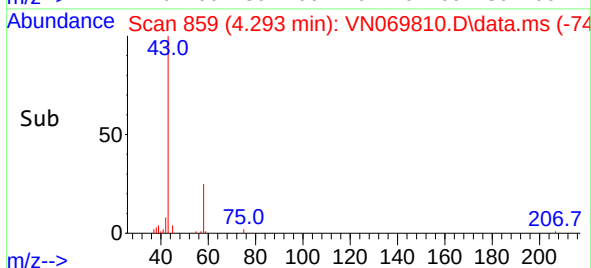
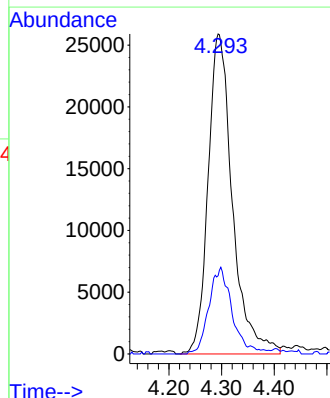
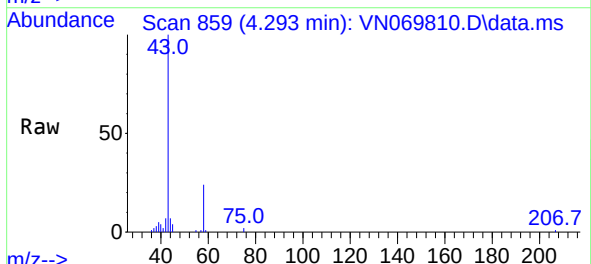
Instrument :
MSVOA_N
ClientSampleId :
EB01-20211203

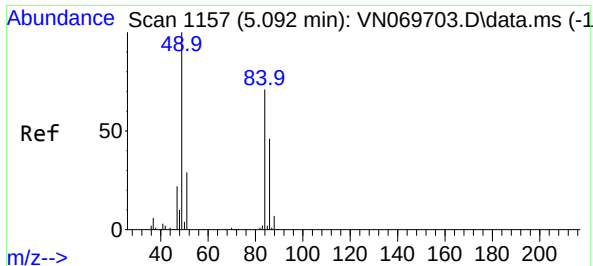
Tgt Ion:168 Resp: 1377076
Ion Ratio Lower Upper
168 100
99 61.9 41.3 61.9



#16
Acetone
Concen: 6.49 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

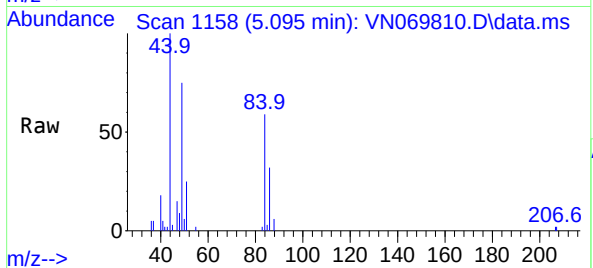
Tgt Ion: 43 Resp: 83046
Ion Ratio Lower Upper
43 100
58 24.4 23.1 34.7





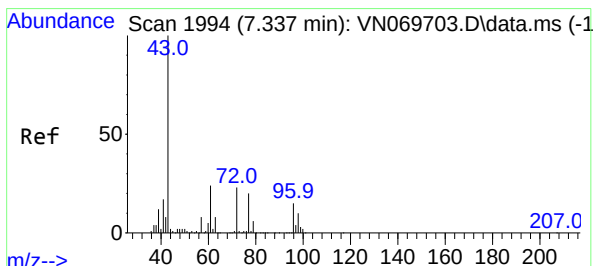
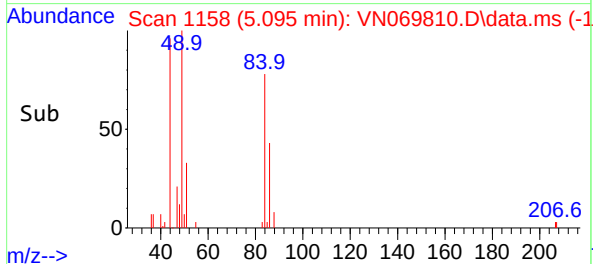
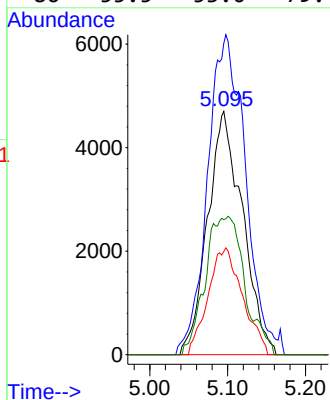
#20
Methylene Chloride
Concen: 0.86 ug/l
RT: 5.095 min Scan# 1157
Delta R.T. 0.003 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

Instrument :
MSVOA_N
ClientSampleId :
EB01-20211203



Tgt Ion: 84 Resp: 14670

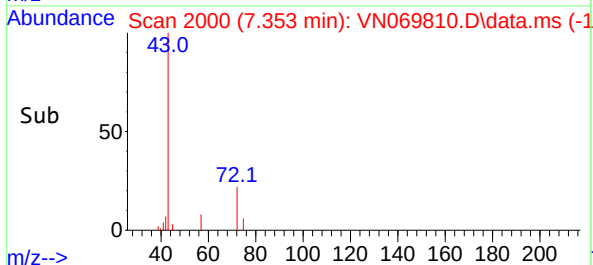
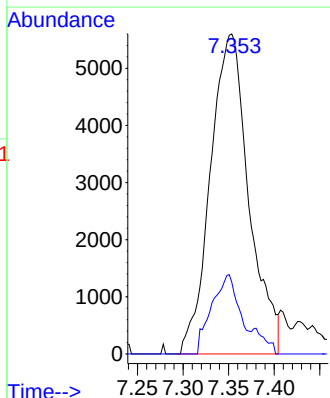
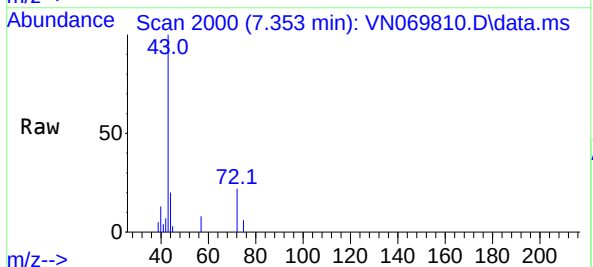
Ion	Ratio	Lower	Upper
84	100		
49	124.5	93.5	140.3
51	42.4	29.4	44.2
86	55.5	53.0	79.4

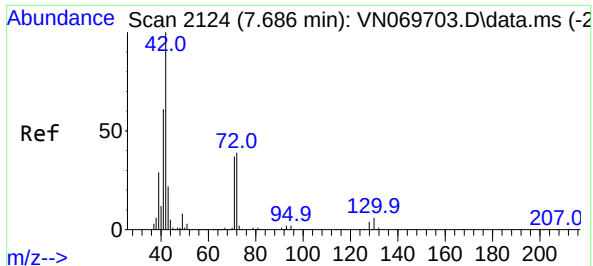


#25
2-Butanone
Concen: 0.95 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.016 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

Tgt Ion: 43 Resp: 16463

Ion	Ratio	Lower	Upper
43	100		
72	22.4	21.7	32.5

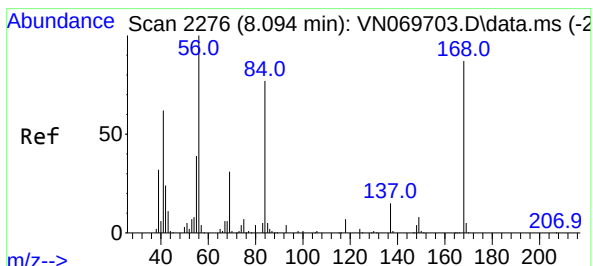
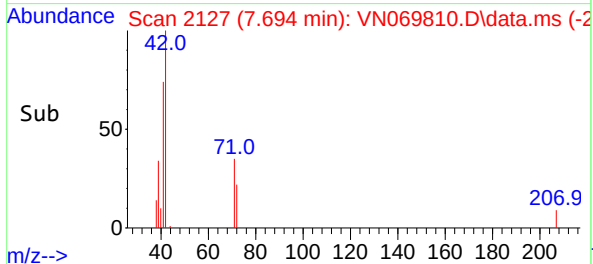
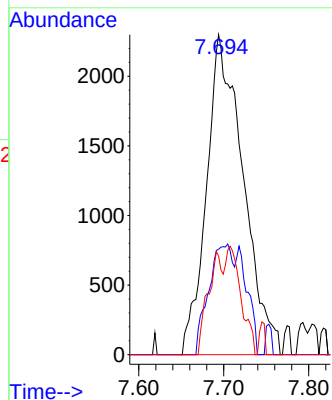
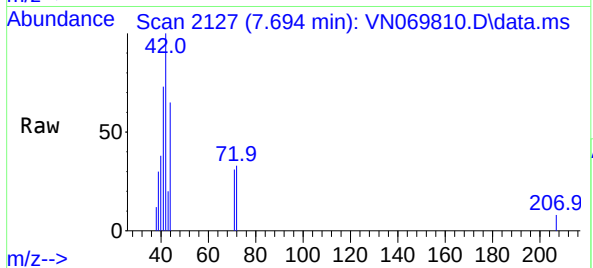




#29
Tetrahydrofuran
Concen: 0.65 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.008 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

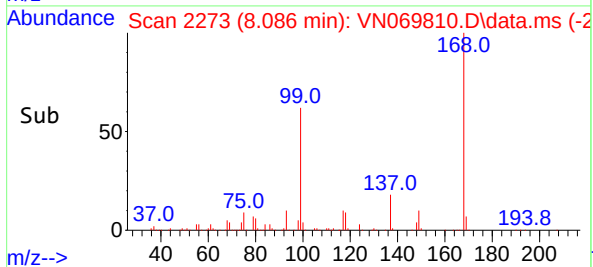
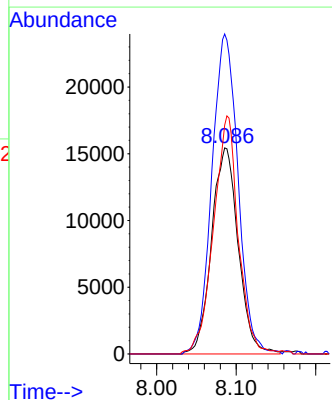
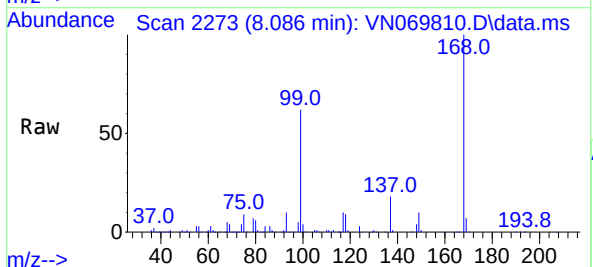
Instrument :
MSVOA_N
ClientSampleId :
EB01-20211203

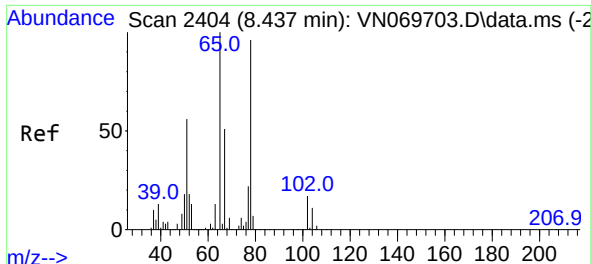
Tgt Ion: 42 Resp: 6882
Ion Ratio Lower Upper
42 100
72 0.0 36.3 54.5#
71 12.9 34.7 52.1#



#31
Cyclohexane
Concen: 1.22 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

Tgt Ion: 56 Resp: 35986
Ion Ratio Lower Upper
56 100
69 155.3 27.1 40.7#
84 111.1 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.68 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN069810.D

Acq: 7 Dec 2021 13:17

Instrument :

MSVOA_N

ClientSampleId :

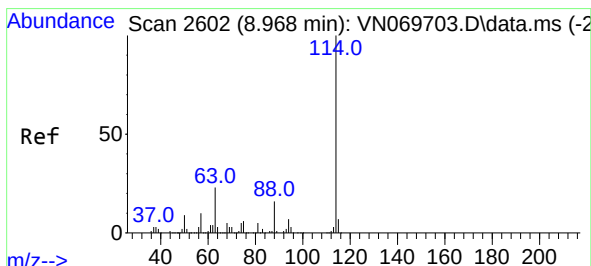
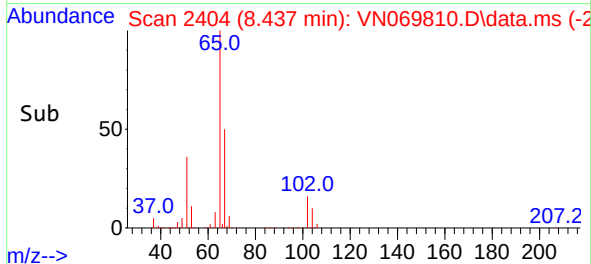
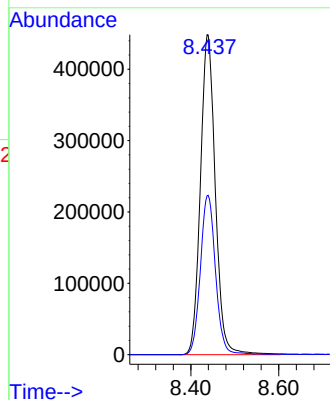
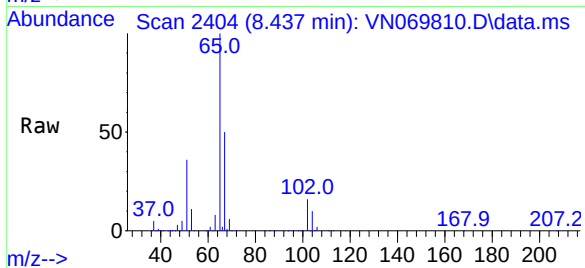
EB01-20211203

Tgt Ion: 65 Resp: 1056360

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069810.D

Acq: 7 Dec 2021 13:17

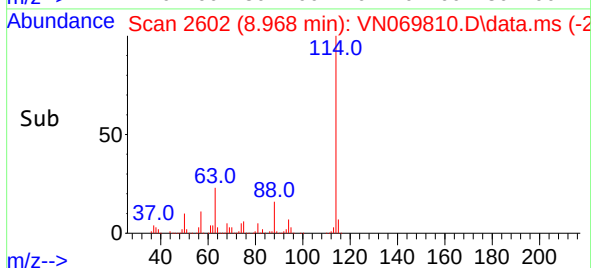
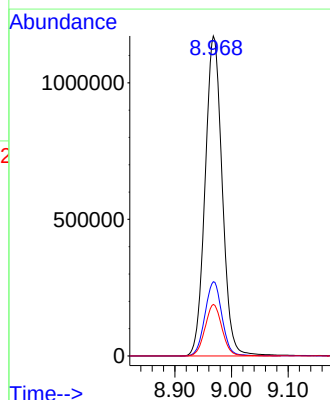
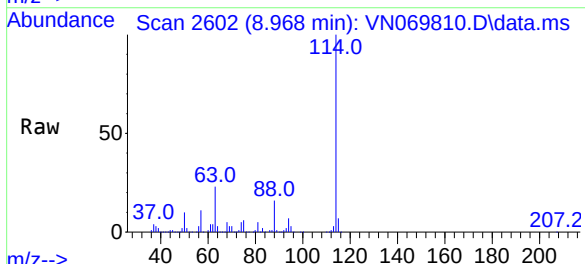
Tgt Ion: 114 Resp: 2459005

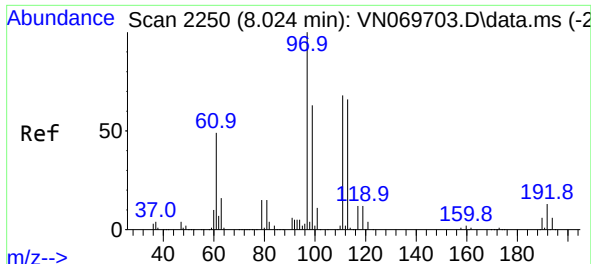
Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.8

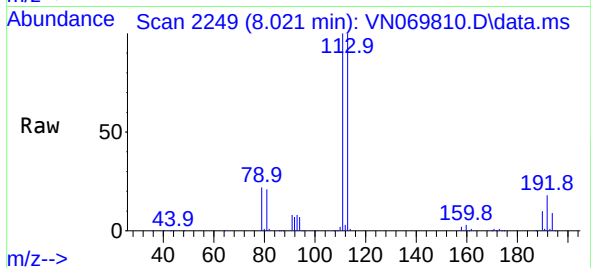
88 16.1 0.0 27.4



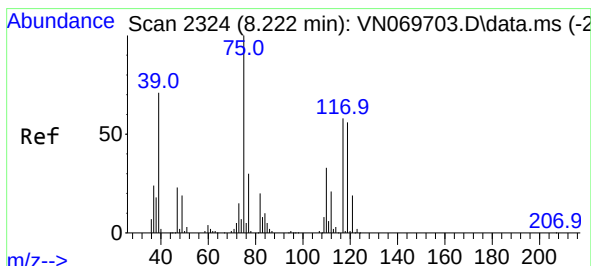
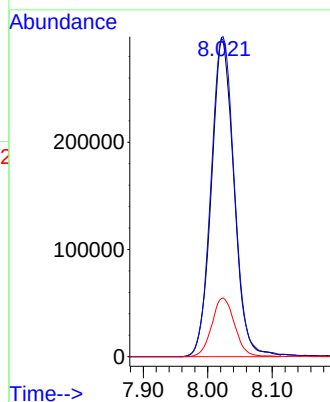
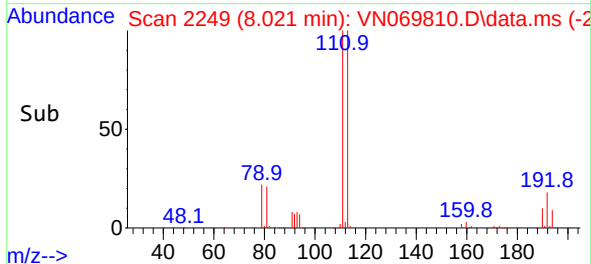


#35
Dibromofluoromethane
Concen: 46.90 ug/l
RT: 8.021 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

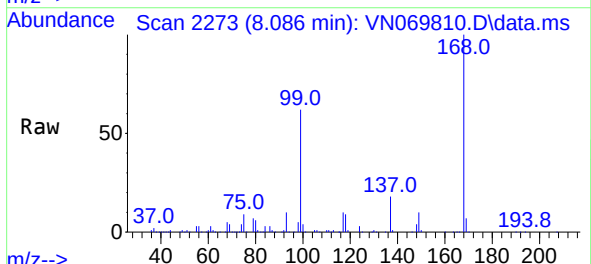
Instrument :
MSVOA_N
ClientSampleId :
EB01-20211203



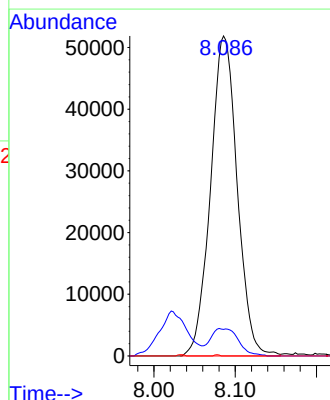
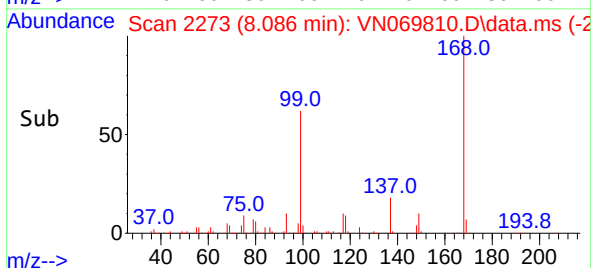
Tgt Ion:113 Resp: 722458
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.2
192 18.7 16.9 25.3

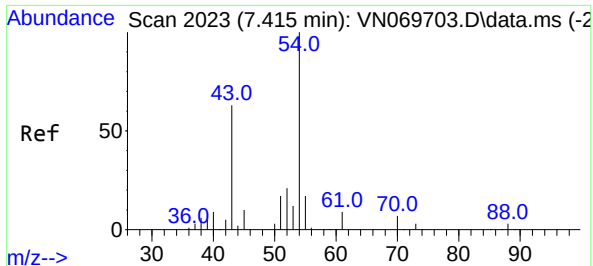


#36
1,1-Dichloropropene
Concen: 5.05 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17



Tgt Ion: 75 Resp: 118323
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.1 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.47 ug/l

RT: 7.353 min Scan# 20

Delta R.T. -0.062 min

Lab File: VN069810.D

Acq: 7 Dec 2021 13:17

Instrument :

MSVOA_N

ClientSampleId :

EB01-20211203

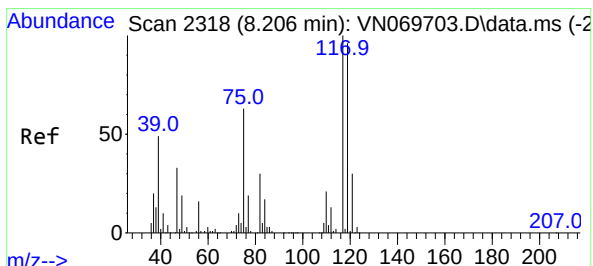
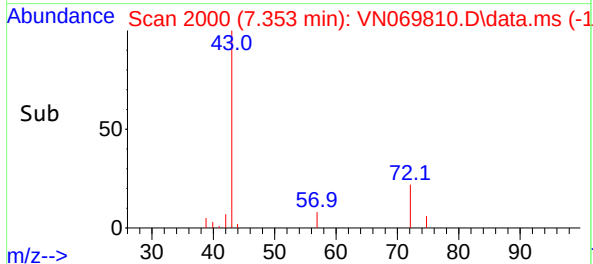
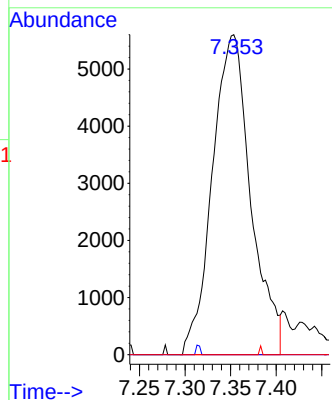
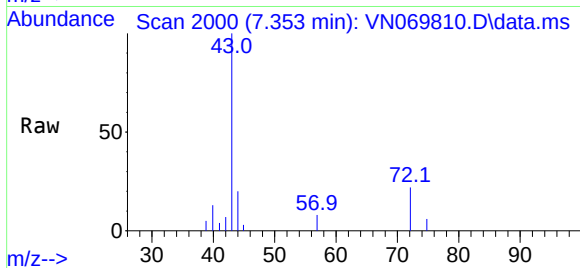
Tgt Ion: 43 Resp: 16463

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.22 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.118 min

Lab File: VN069810.D

Acq: 7 Dec 2021 13:17

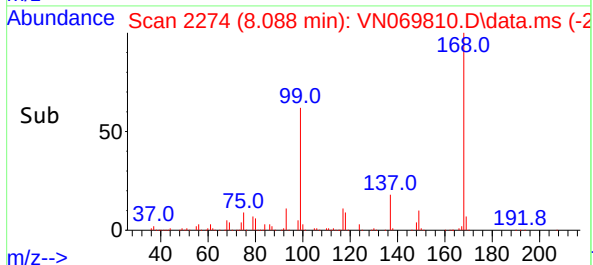
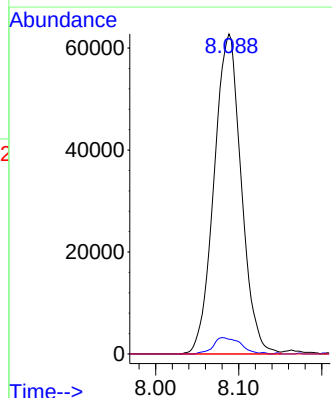
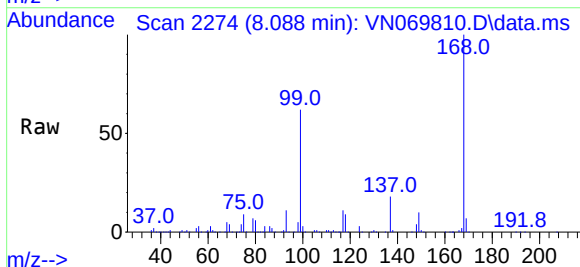
Tgt Ion: 117 Resp: 142785

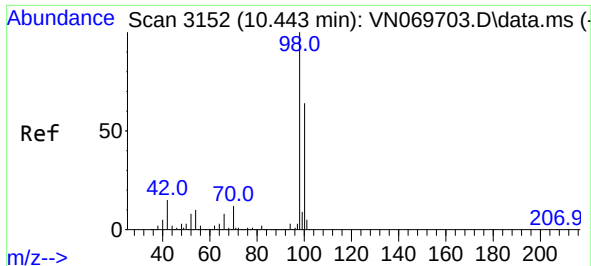
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 24.2 36.2#

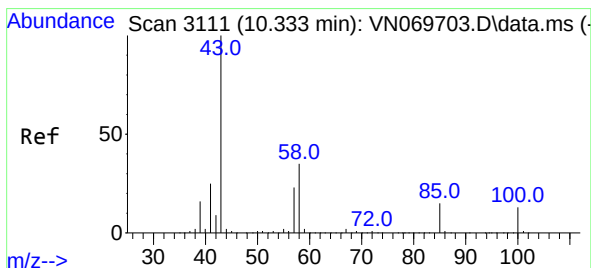
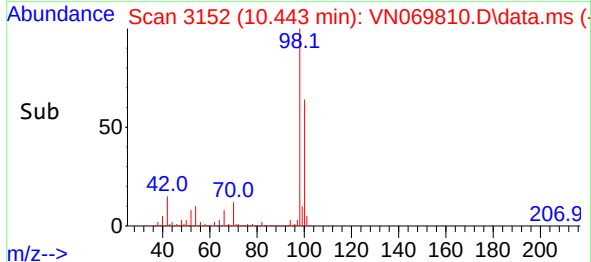
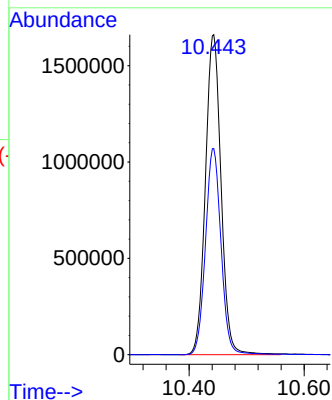
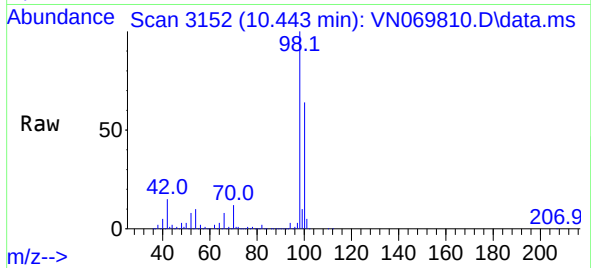




#50
Toluene-d8
Concen: 50.74 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

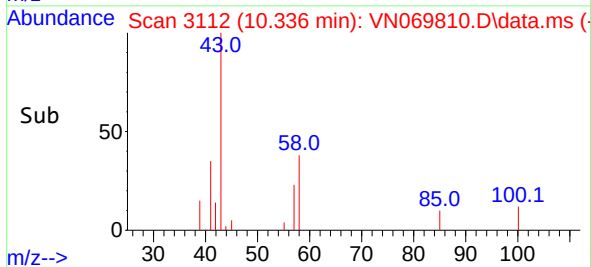
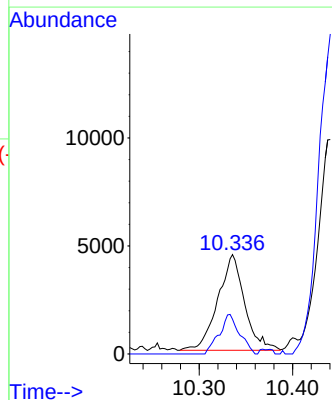
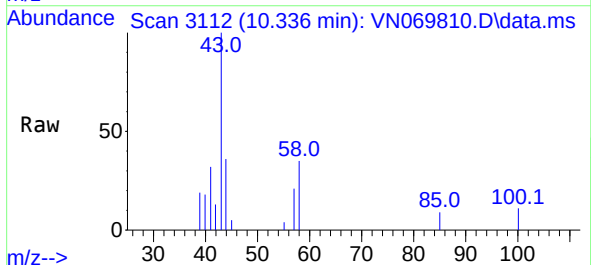
Instrument :
MSVOA_N
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EB01-20211203

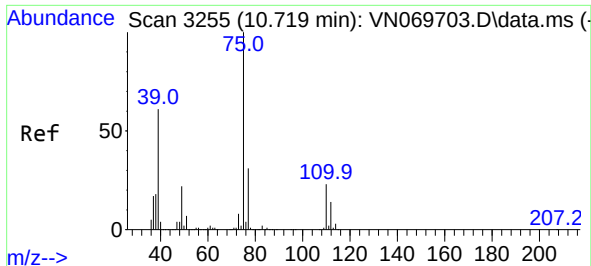
Tgt Ion: 98 Resp: 3138123
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.26 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

Tgt Ion: 43 Resp: 8831
Ion Ratio Lower Upper
43 100
58 31.2 30.4 45.6

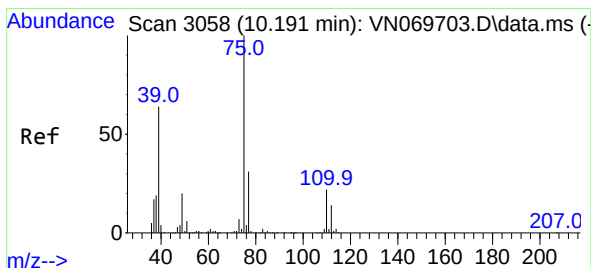
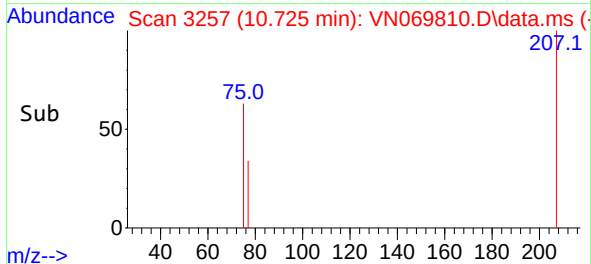
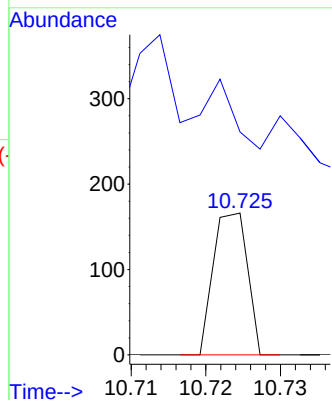
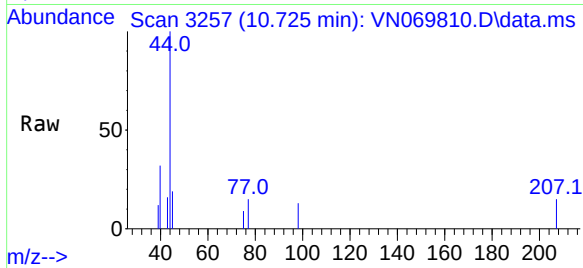




#53
t-1,3-Dichloropropene
Concen: 2.80 ug/l
RT: 10.725 min Scan# 3150
Delta R.T. 0.006 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

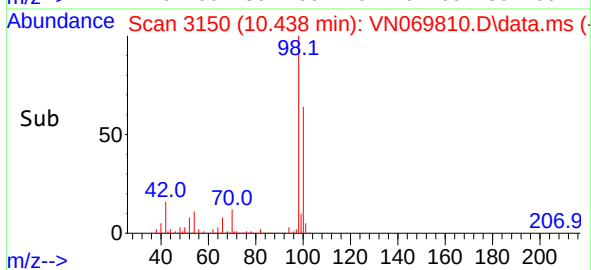
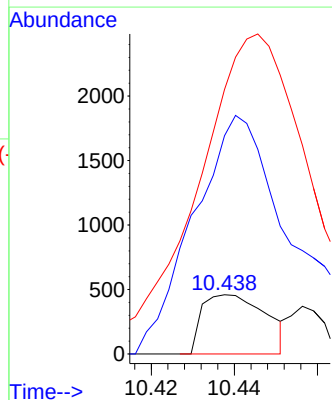
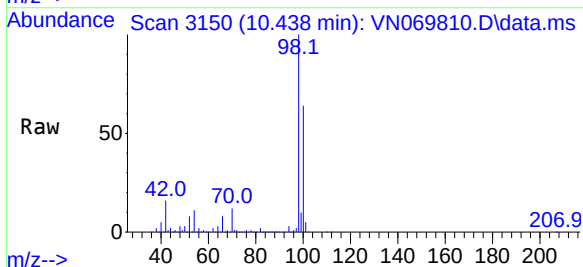
Instrument :
MSVOA_N
ClientSampleId :
EB01-20211203

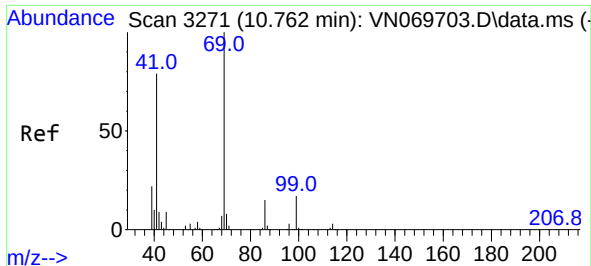
Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.01 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. 0.247 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

Tgt Ion: 75 Resp: 491
Ion Ratio Lower Upper
75 100
77 190.0 26.4 39.6#
39 255.8 42.5 63.7#

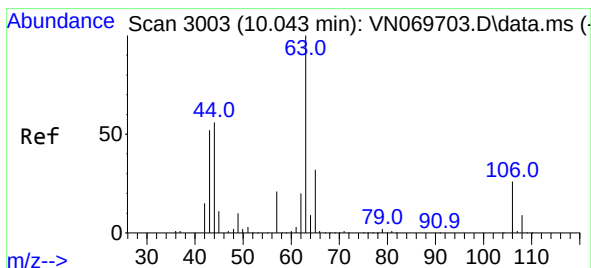
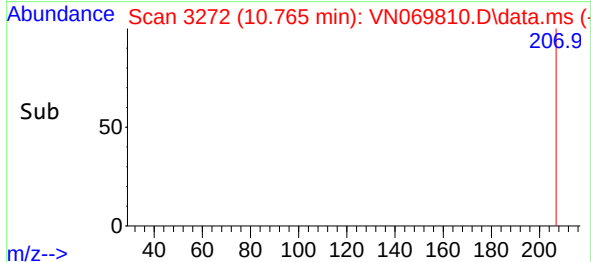
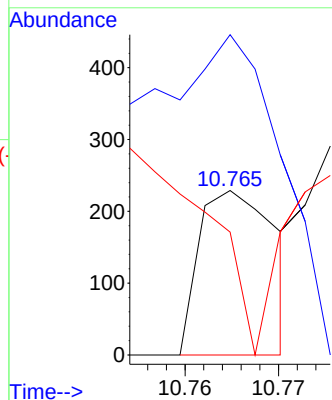
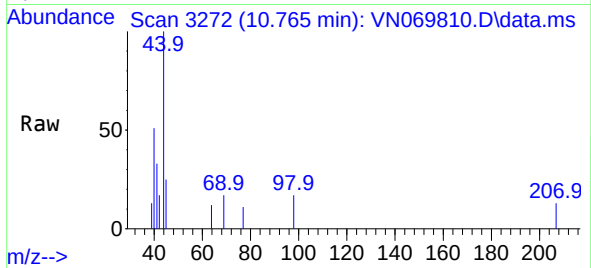




#56
Ethyl methacrylate
Concen: 2.28 ug/l
RT: 10.765 min Scan# 310
Delta R.T. 0.003 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

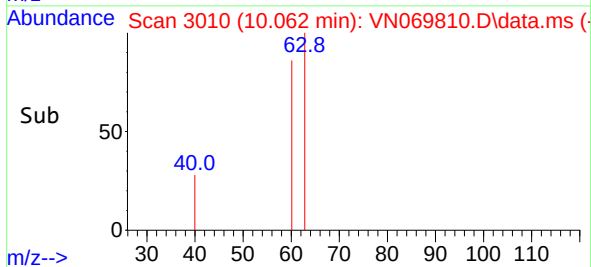
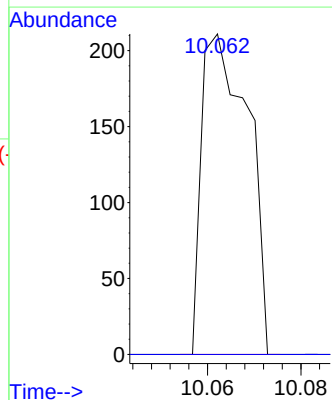
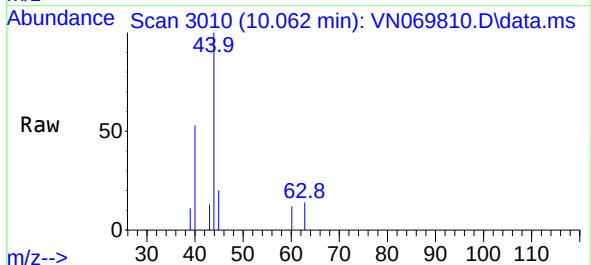
Instrument :
MSVOA_N
ClientSampleId :
EB01-20211203

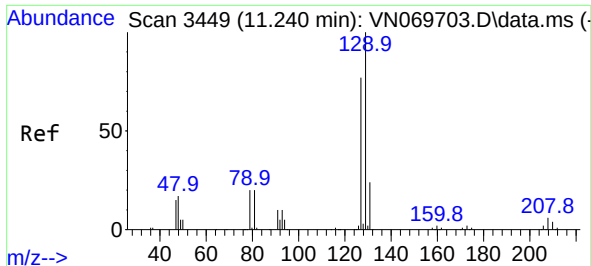
Tgt Ion: 69 Resp: 131
Ion Ratio Lower Upper
69 100
41 373.3 51.4 77.0#
39 0.0 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.40 ug/l
RT: 10.062 min Scan# 3010
Delta R.T. 0.019 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

Tgt Ion: 63 Resp: 146
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

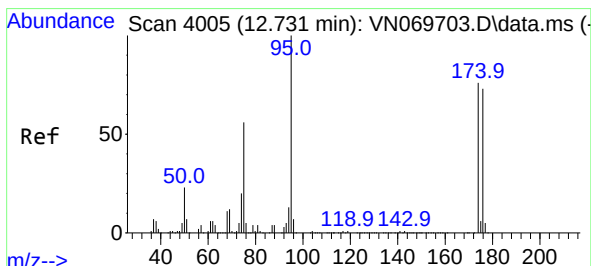
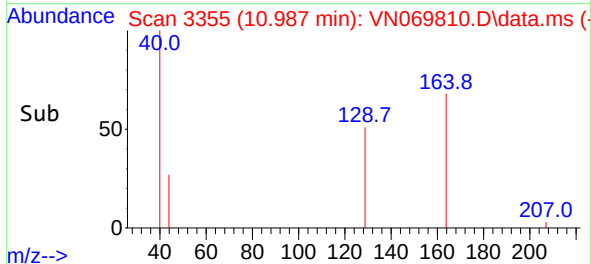
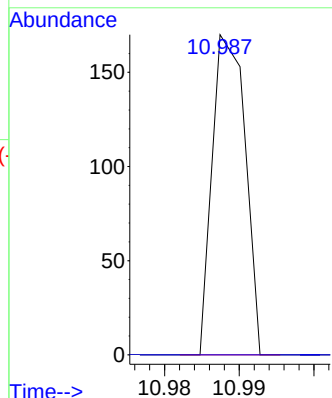
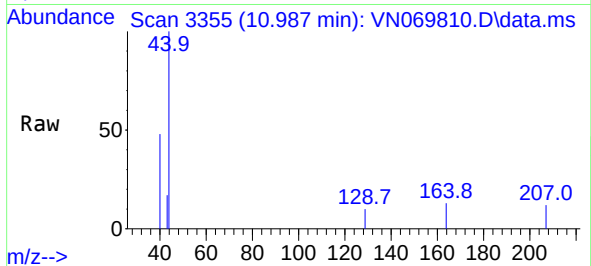




#60
Dibromochloromethane
Concen: 2.38 ug/l
RT: 10.987 min Scan# 31
Delta R.T. -0.253 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

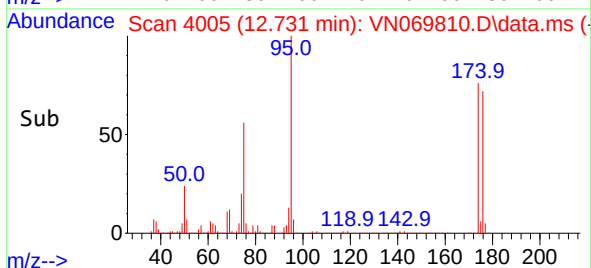
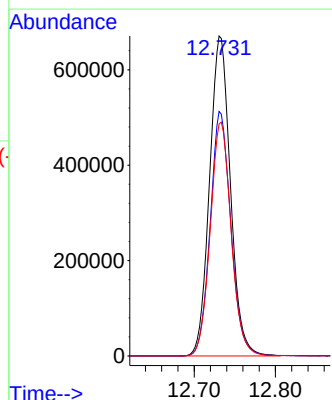
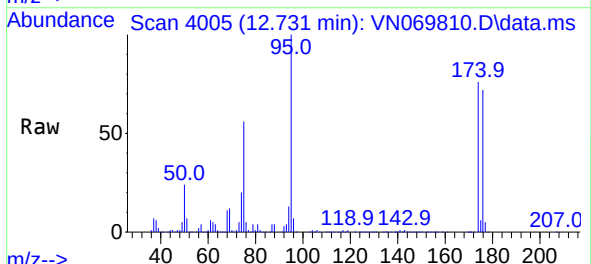
Instrument :
MSVOA_N
ClientSampleId :
EB01-20211203

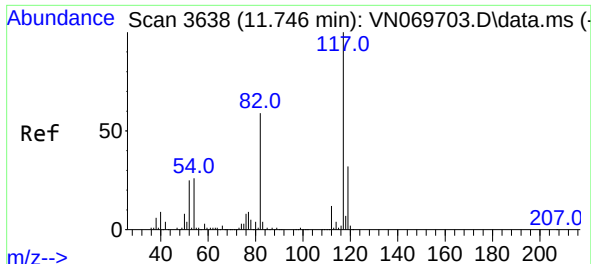
Tgt Ion:129 Resp: 52
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 53.30 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

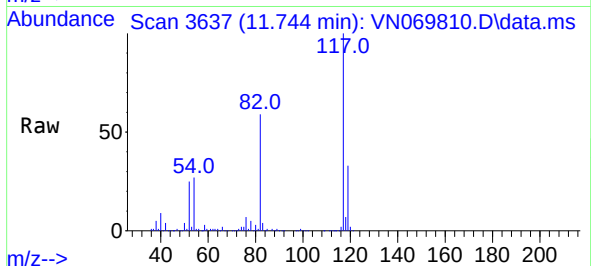
Tgt Ion: 95 Resp: 1194168
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 73.3 0.0 181.4





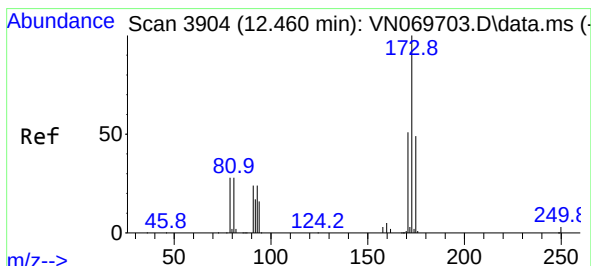
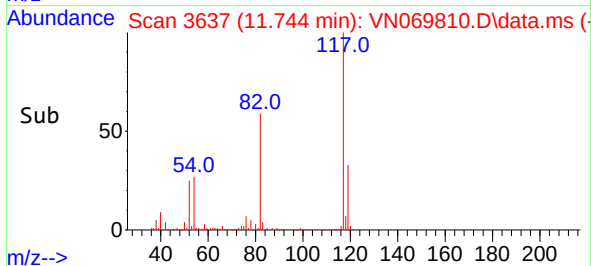
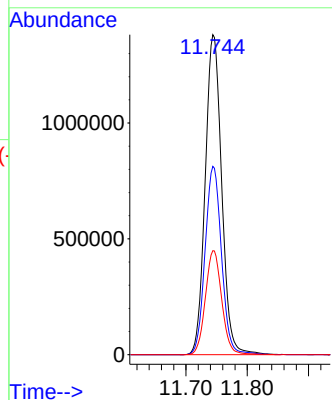
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3097
Delta R.T. -0.002 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

Instrument :
MSVOA_N
ClientSampleId :
EB01-20211203



Tgt Ion:117 Resp: 2585583

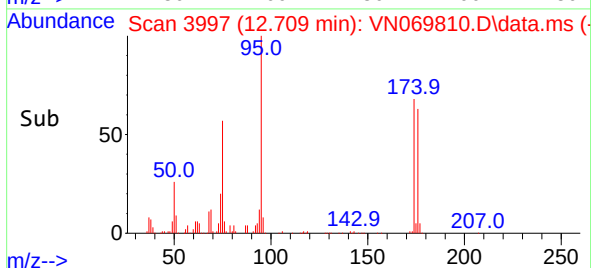
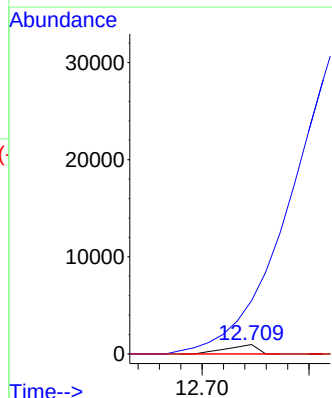
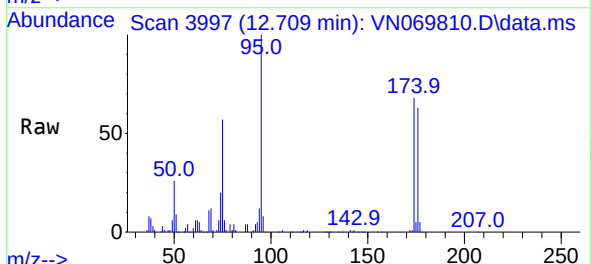
Ion	Ratio	Lower	Upper
117	100		
82	58.9	42.4	63.6
119	32.5	25.4	38.2

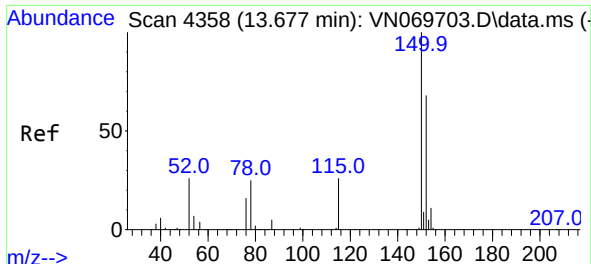


#71
Bromoform
Concen: 2.75 ug/l
RT: 12.709 min Scan# 3997
Delta R.T. 0.249 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

Tgt Ion:173 Resp: 385

Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6
254	0.0	0.0	0.0

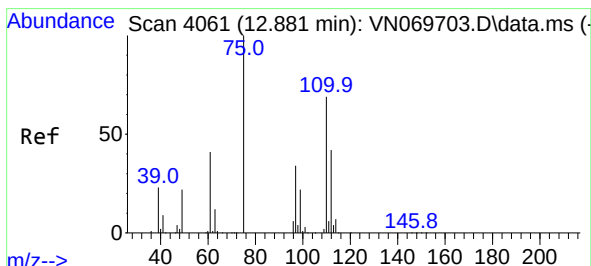
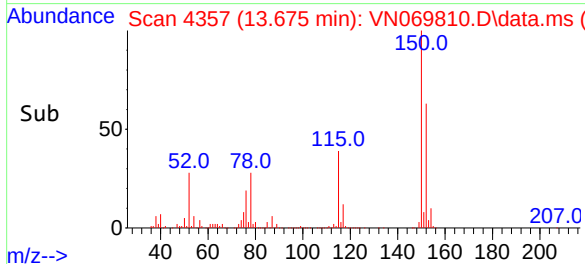
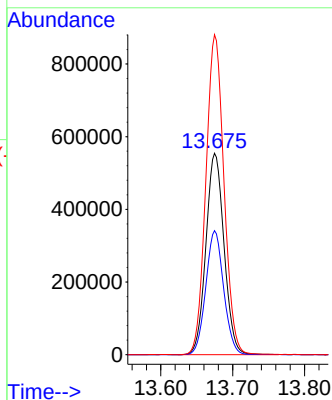
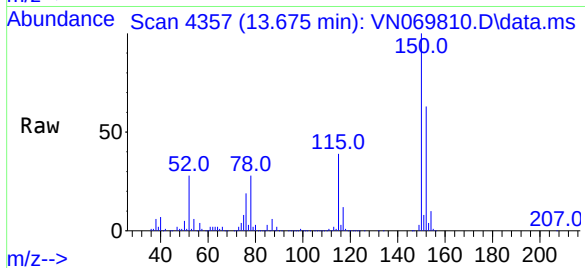




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

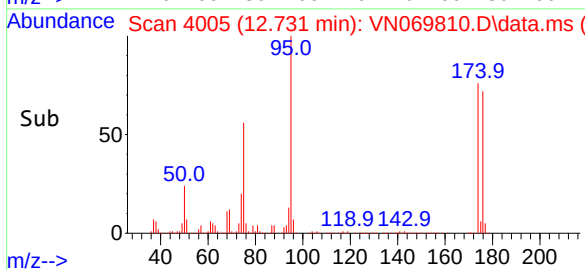
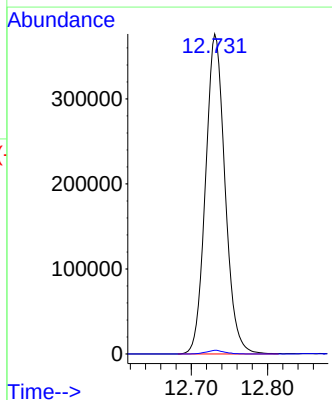
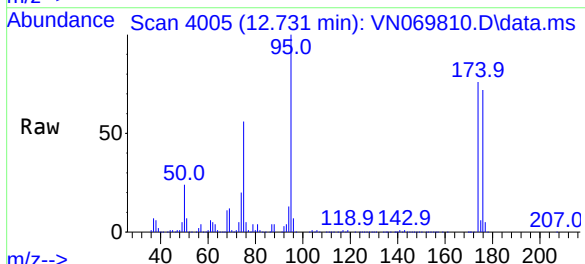
Instrument :
MSVOA_N
ClientSampleId :
EB01-20211203

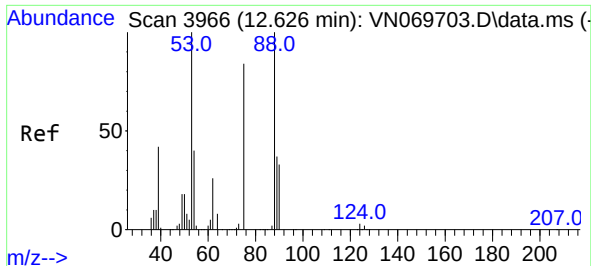
Tgt Ion:152 Resp: 974246
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 158.2 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.89 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

Tgt Ion: 75 Resp: 667459
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

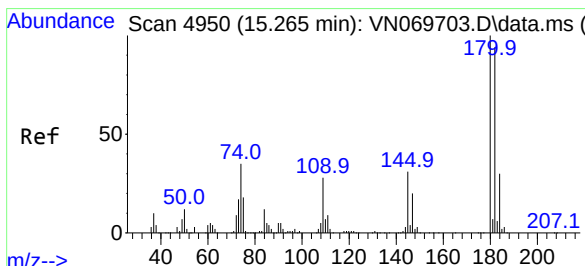
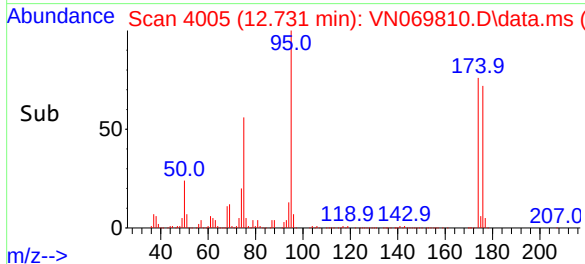
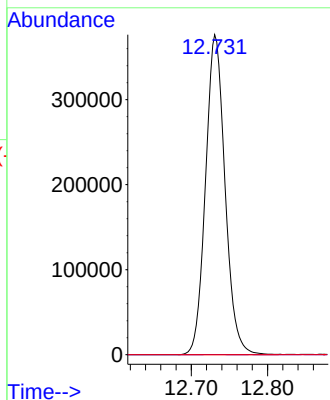
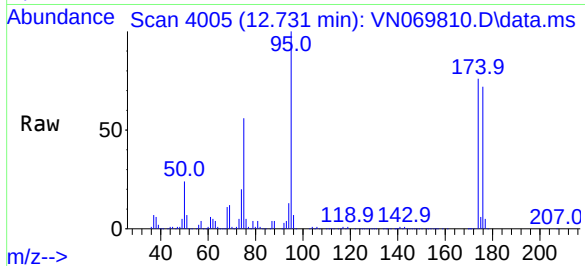




#81
trans-1,4-Dichloro-2-butene
Concen: 75.90 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

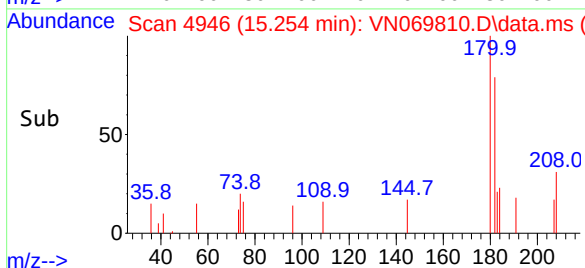
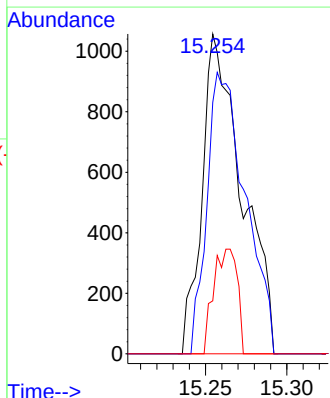
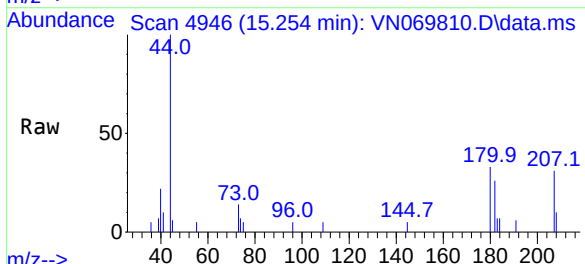
Instrument :
MSVOA_N
ClientSampleId :
EB01-20211203

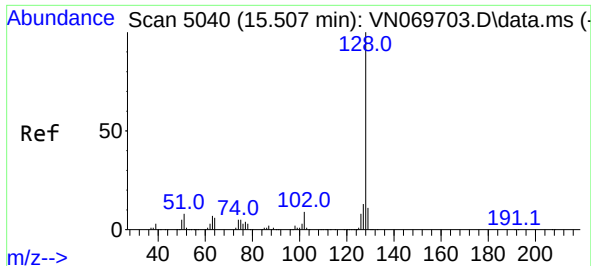
Tgt Ion: 75 Resp: 667459
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.98 ug/l
RT: 15.254 min Scan# 4946
Delta R.T. -0.011 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

Tgt Ion:180 Resp: 1803
Ion Ratio Lower Upper
180 100
182 85.0 48.3 144.9
145 19.4 14.5 43.5

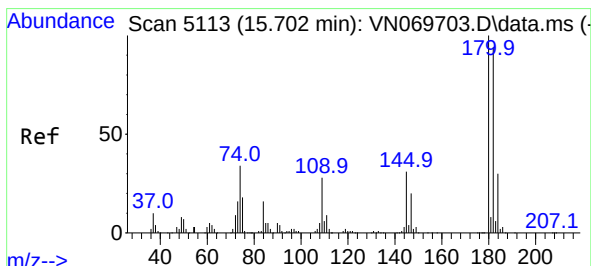
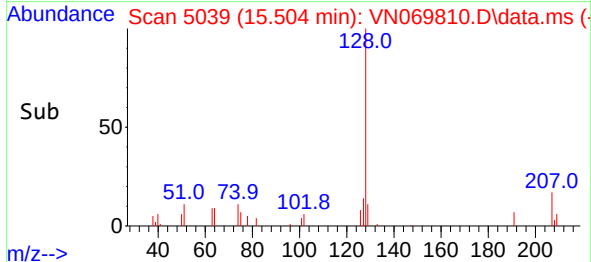
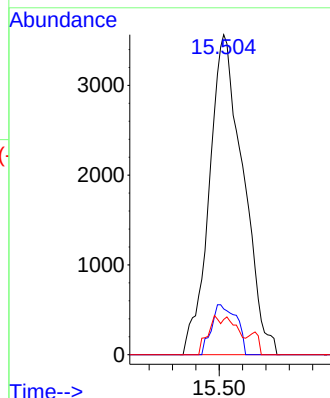
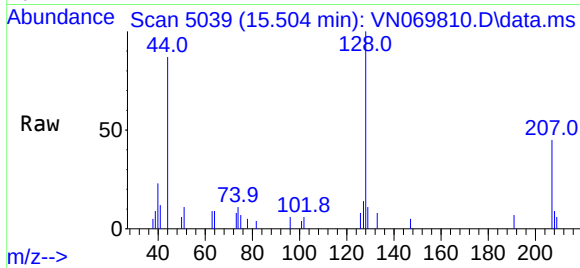




#95
Naphthalene
Concen: 4.12 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

Instrument :
MSVOA_N
ClientSampleId :
EB01-20211203

Tgt Ion:	128	Resp:	7159
Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.5	15.7
129	4.7	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.51 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069810.D
Acq: 7 Dec 2021 13:17

Tgt Ion:	180	Resp:	1237
Ion	Ratio	Lower	Upper
180	100		
182	152.0	47.4	142.2
145	25.1	15.0	45.1

